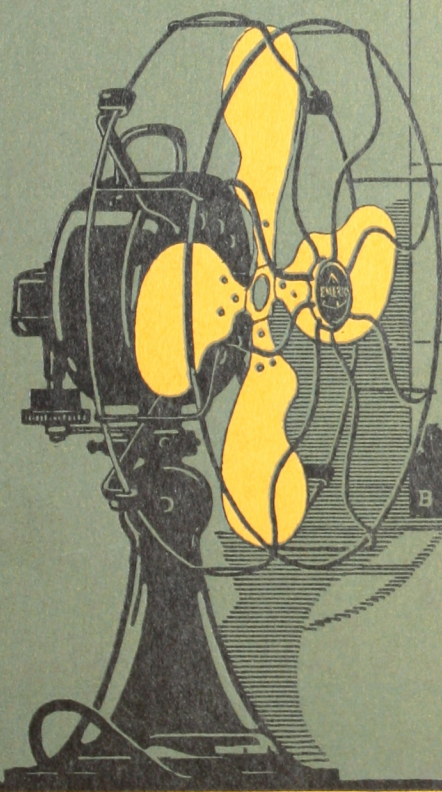


Emerson Fans



1928

The Emerson Electric Manufacturing Co.

2018 Washington Avenue, St. Louis, Mo.

BRANCHES:

50 Church Street, New York City

806 W. Washington Blvd., Chicago, Ill.

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Emerson Fans

For Alternating and Direct Currents

Catalog No. 4035

January 1st, 1928



For 1928 this company offers a variety of Emerson fans wide enough to meet all requirements of commercial, industrial and home use, including oscillating, non-oscillating, ceiling, column and ventilating fans.

The popular-priced Emerson Junior fans for alternating current are still features of the line. Emerson standard 4-blade ceiling fans are again offered with and without adjustable hanger pipes at the option of the purchaser. Fans with column mountings can be furnished to special order as in the past. A more complete line of ventilating and exhaust fans with a larger variety of accessories for their installation will be found on pages 20-23.

New Improved Oscillators

New and improved 16-inch oscillating fans have been designed to meet the particular conditions under which such a large proportion of 16-inch fans operate in commercial and industrial service. A detailed description of the system of forced oil circulation of these new models will be found on page 5.

The 5-Year Guarantee

The Emerson 5-Year Factory-to-User Guarantee offered for many years applies to every type of oscillating, non-oscillating, ceiling and column fans listed. This printed guarantee, attached to each fan, has become one of the most valuable assets of Emerson fans to the dealer.

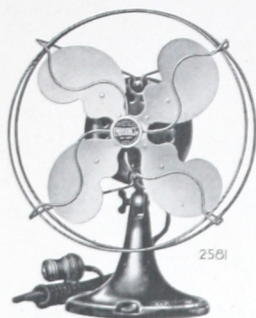
Stocks Conveniently Located

All types of fans except column fans are carried regularly in stock at the company's warehouses at St. Louis, Mo., and New York City. Large stocks of Emerson fans are also maintained by the company in warehouses at Chicago, Ill., Dallas, Texas, and Houston, Texas. In addition, very large stocks are maintained at other distributing points by more than fifty distributors.

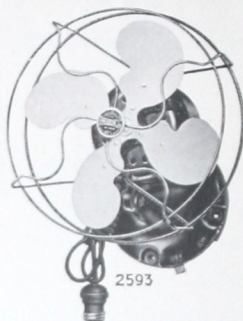
This catalogue is confined chiefly to presenting the important data regarding sizes, wattages, weights and details of this company of interest to fan motor buyers. Booklets illustrating some of the many notable installations of Emerson oscillating, non-oscillating and ceiling fans in hotels, apartments, office buildings, hospitals, state and municipal buildings will be sent on request. Another booklet is devoted to important details of construction of Emerson fans.

ID 59-33713 TCF

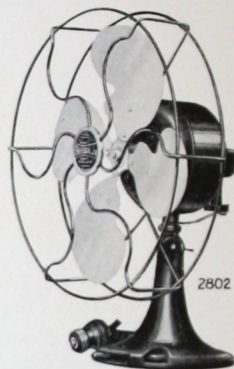
Emerson Junior Fans For Alternating Current



Emerson Junior
9-inch Non-oscillator



2593



2802

Emerson Junior
10-inch Oscillator

Although offered at popular prices, Emerson Junior fans are built to the same rigid standards as the larger models. The workmanship and material are of the same high grade. Emerson Juniors provide fans for individual use or for use in small rooms at low initial cost and practically no expense for upkeep.

Emerson Junior oscillator has the time-tested oscillating mechanism used in Emerson fans for many years.

It is only by quantity production that Emerson Junior fans can be offered at the prices shown below.

Specifications

Parker blades, dull brass finish.
Emerson $\frac{1}{2}$ -inch hardened steel shaft and oil-tight dust-proof bearing.
Hinged desk-bracket base with four large rubbers.
Single-speed, switch in base.
Induction motor—no brushes or commutator.

Double ring steel-welded guard.
Finish of guard, motor and base, black enamel.
Every fan complete with separable plug and cord.
Two ranges of oscillation, 45° and 90° , or the non-oscillating position, secured by means of the adjusting disc, on the oscillator.

Codewords—Data and List Prices

Codeword	Size Fan Inches	No. Blades	Style	Cycles	Volts	Speed and Wattage	Net Lbs.	Packed Lbs.	List Price Each
Soteb	9	4	Hinged	60	110	1600 rpm 45 watts	10	15	\$10.00
Sylok	10	4	Non-oscillating Hinged Oscillating	60	110	1600 rpm 45 watts	11	15	15.50

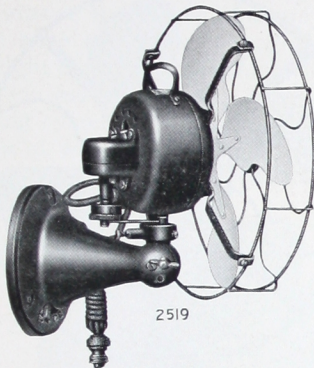
Carried regularly in stock at St. Louis, New York and Chicago.
Speeds, wattages and weights are approximate.
Emerson Junior fans listed for 110 Volts, 60 Cycles, will operate satisfactorily on 104-120 Volts, 60 Cycles and 104-115 Volts, 50 Cycles.

On 50 Cycles speed will be approximately 15% lower. All data subject to change.
Emerson Junior fans cannot be supplied for other kinds of current.
Emerson Junior fans cannot be supplied in special finishes.

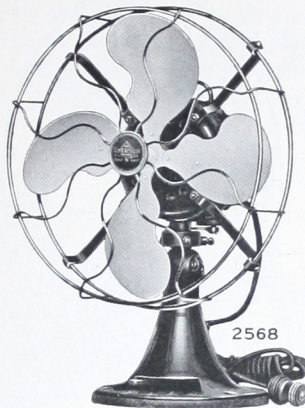
The Emerson Company Sells No Apparatus at Retail

12-inch Three-speed Alternating Current Fans

Oscillating and Non-oscillating



Type 29646—Showing bracket adjustment for all types



Type 29646

The hollow hardened steel shaft of these fans and Emerson Junior fans has been a feature of all Emerson induction fans for almost thirty years. The soft cast iron core of the rotor revolving on this shaft acquires a glaze which makes the bearing almost immune from wear. As it is tightly sealed at the front by the fan hub, dirt cannot enter to injure the bearing and oil cannot reach the blades to scatter.

These fans have many other distinctive features described in a booklet which will be sent on request.

Specifications

Parker blades of brass, dull finish.
Emerson $\frac{1}{2}$ -inch hardened steel shaft and oil-tight dust-proof bearing.
Hinged desk-bracket base with felt covering.
Swivel adjusting collar below motor on oscillators.
Range of oscillation adjustable to 90°.

Three speeds, switch in base.
Induction motor—no brushes or commutator.
Double-ring steel-welded guard.
Finish over guard, motor and base, black enamel.
Every fan complete with separable plug and cord.
Large carrying handle on all types.

Codewords—Data and List Prices

Codeword	Volts	Cycles	Size Fan Inches	No. Blades	Style	Type No.	Fast Speed	Medium Speed	Slow Speed	Net Lbs.	Packed Lbs.	List Price Each
Sevam	110	60	12	4	Non-oscil.	28646	1600 rpm 60 watts	1450 rpm 50 watts	1250 rpm 45 watts	20	36	\$23.00
Sevoy	110	60	12	4	Oscillating	29646	1600 rpm 60 watts	1450 rpm 50 watts	1300 rpm 45 watts	21	39	30.00
Sibez	220	60	12	4	Oscillating	29646	1600 rpm 60 watts	1450 rpm 50 watts	1300 rpm 45 watts	21	39	31.50
Sosak	110	25	12	6	Oscillating	29266	1300 rpm 60 watts	1100 rpm 50 watts	850 rpm 45 watts	28	45	31.50

Carried regularly in stock at St. Louis, New York and Chicago.

Above fans can be furnished in quantities in special finishes to special order.

Fans listed for 110 Volts will operate satisfactorily on 104-115 Volts.

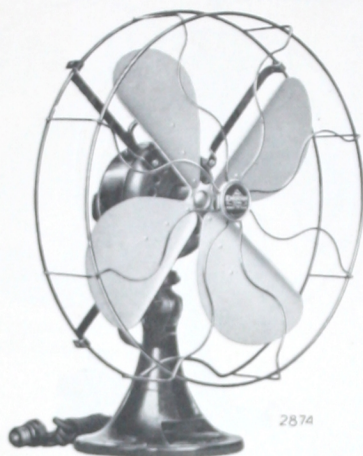
Speeds, wattages and weights are approximate. All data subject to change.

Fans for 220 volts 60 cycles, not listed, can be supplied at an additional charge of \$1.50 list. Shipment F. O. B. St. Louis, Mo., only.

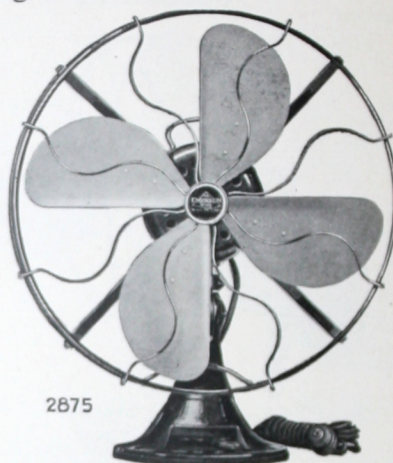
Can be supplied for 50 cycles at same price as 60 cycles.

Additions to above prices for special finishes are shown on page 19.

16-inch Three-speed Oscillating Fans For Alternating Current



2874



2875

Two Views of Emerson 16-inch Oscillator

Emerson 16-inch oscillating fans are designed to move the maximum volume of air consistent with quietness and economical operation. No expense has been spared in their manufacture to fully meet the requirements of commercial and industrial users demanding large air movement and thoroughly reliable performance.

The new models listed below combine all the advantages which have been characteristic of Emerson induction oscillators in the past, with a marked improvement in design which is described in detail on the opposite page.

Specifications

Parker blades of brass, dull finish.
Emerson $\frac{1}{2}$ -inch hardened steel shaft and oil-tight dust-proof bearing.
Hinged desk-bracket base with felt covering.
Swivel adjusting collar below motor.
Range of oscillation adjustable to 90°.

Three speeds, switch in base.
Induction motor—no brushes or commutator.
Double-ring steel-welded guard.
Finish over guard, motor and base, black enamel.
Every fan complete with separable plug and cord.
Large carrying handle on all types.

Codewords—Data and List Prices

Codeword	Volts	Cycles	Size Fan Inches	No. Blades	Style	Type No.	Fast Speed	Medium Speed	Slow Speed	Net Lbs.	Packed Lbs.	List Price Each
Strex	110	60	16	4	Oscillating	73648	1600 rpm 100 watts	1450 rpm 85 watts	1350 rpm 80 watts	23	48	\$35.00
Supol	220	60	16	4	Oscillating	73648	1600 rpm 95 watts	1450 rpm 85 watts	1350 rpm 80 watts	23	48	36.50
Stros	110	25	16	4	Oscillating	73248	1350 rpm 100 watts	1200 rpm 95 watts	1100 rpm 90 watts	30	52	36.50

Carried regularly in stock at St. Louis, New York and Chicago.

Above fans can be furnished in quantities in special finishes to special order.

Fans listed for 110 Volts will operate satisfactorily on 104-115 Volts.

Speeds, wattages and weights are approximate. All data subject to change.

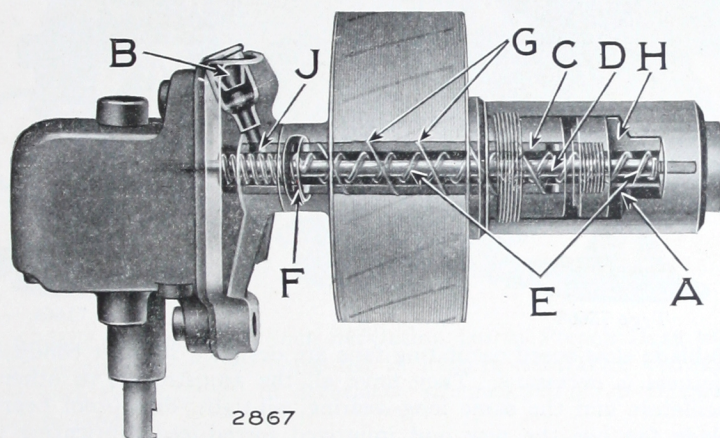
Fans for 220 volts 60 cycles, not listed, can be supplied at an additional charge of \$1.50 list. Shipment F. O. B. St. Louis, Mo., only.

Can be supplied for 50 cycles at same price as 60 cycles.

Additions to above prices for special finishes are shown on page 19.

New Improved 16-inch Induction Oscillators

To meet the special conditions under which a large proportion of 16-inch oscillating fans are operated, new and improved 16-inch A. C. fans are offered for the 1928 season. In appearance these new fans are identical with the Emerson 1927 models of this size and have the same $\frac{1}{2}$ -inch diameter stationary hollow shaft of hardened steel and oil-tight dust-proof bearing which have for many years been such valuable features of Emerson induction fans. However, the new fans are provided with a forced oil-circulating system which carries lubricant to all parts of the bearing, regardless of the angle at which the fan may be pointed, up or down.



As shipped, fans of these types have the recess (A) in the fan hub packed with sufficient lubricant to last for a normal season. The oiling device and bearing design provide forced circulation of this lubricant and oil added through the oil cup (B).

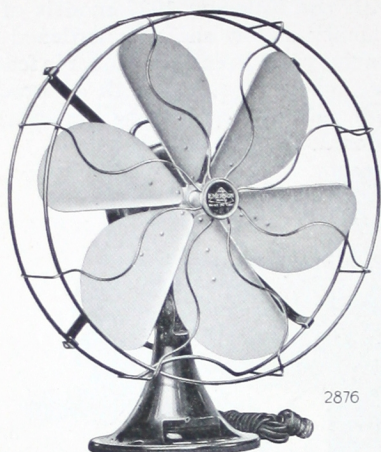
As in other types of Emerson induction oscillating fans the rotor revolves on the hardened steel shaft (C). Through it runs the floating worm shaft (D), driven from the fan hub, operating the oscillating gears at the back of the motor. A coil spring (E) surrounds the worm shaft and rotates with it, providing forced positive lubrication, as the pitch of the front portion of the spring is such as to pump oil from the reservoir in the fan hub back through the hollow shaft to the holes leading to the circular oil recess (F) in the hub of the rotor. From this recess oil is pumped along the entire length of the shaft by the spiral groove (G) which will be noted inside the hub of the rotor; the lubricant is thus returned to the recess in the fan hub to be recirculated. It will be observed that the cap at the front end of the shaft is so formed as to constitute a wiper (H), to remove oil from the inner surfaces of the fan hub and return it to the coil spring to be pumped through the shaft.

Oil supplied to the fan through the oil cup (B) at back of motor is introduced into the circulation system at the rear through the hollow steel shaft. The reverse coil (J) of the spiral spring on the worm shaft pumps such oil into the circular recess (F) in the hub of the rotor, whence it is circulated along the surfaces of the shaft and back through the shaft to the recess in the manner described above.

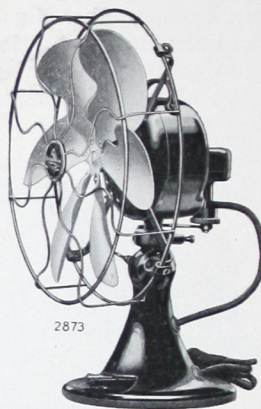
Exhaustive tests of this oil-circulating system during the past year, both in the factory and on many fans placed in service, have thoroughly demonstrated its efficiency under varying service conditions. This forced oil-circulating system prolongs the useful life of the fan and eliminates the necessity for frequent lubrication.

Alternating Current Slow-speed Oscillating Fans

In Standard Black Enamel Finish
6-blade, 12 and 16-inch, 3-speeds



Type 73668



Type 71666

These 6-blade slow-speed oscillating fans are designed to meet conditions where extreme quietness is necessary. They have all the adjustments of other styles of Emerson oscillators and the same long-wearing, oil-tight, dust-proof bearing. The 16-inch 6-blade fan has the new and improved forced-feed lubricating system of other Emerson 16-inch induction fans, described in detail on page 5.

The 12-inch size is particularly popular for home use. The 16-inch model is extensively used in theaters, homes and other large rooms where a large air movement is desired with minimum noise from the fan.

Specifications

Parker blades of brass, dull finish.
Emerson $\frac{1}{2}$ -inch hardened steel shaft and oil-tight dust-proof bearing.
Hinged desk-bracket base with felt covering.
Swivel adjusting collar below motor.
Range of oscillation adjustable to 90°.

Three speeds, switch in base.
Induction motor—no brushes or commutator.
Double-ring steel-welded guard.
Finish over guard, motor and base, black enamel.
Every fan complete with separable plug and cord.
Large carrying handle.

Codewords—Data and List Prices

Codeword	Size Fan Inches	No. Blades	Style	Type No.	Fast Speed	Medium Speed	Slow Speed	Net Lbs.	Packed Lbs.	List Price Each
Soned	12	6	Oscillating	71666	1050 rpm 70 watts	950 rpm 50 watts	850 rpm 45 watts	21	37	\$32.20
Strub	16	6	"	73668	1050 rpm 85 watts	950 rpm 65 watts	850 rpm 55 watts	30	54	37.20

Carried regularly in stock at St. Louis, New York and Chicago.

Above fans can be furnished in quantities in special finishes to special order.

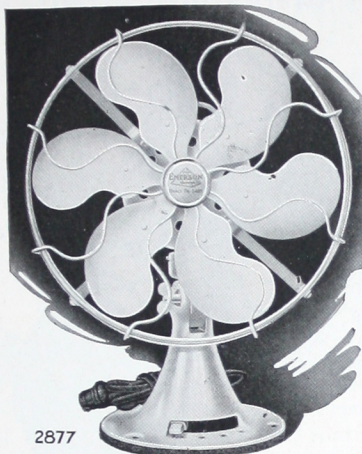
Will operate satisfactorily on 104-115 volts.

Can be supplied for 220 volt 60 cycles at an additional charge of \$1.50 list shipment F.O.B. St. Louis, Mo., only

Speeds, wattages and weights are approximate. All data subject to change.

Additions to above prices for special finishes are shown on page 19.

12-inch French Gray Slow-speed Oscillator For Alternating Current



This 6-blade slow-speed 12-inch oscillating fan in French Gray finish provides a fan which is appropriate for home use in modern decorative surroundings, as it harmonizes with the majority of decorative schemes and its ultra quiet operation is much appreciated.

This fan in French Gray has become standard equipment for many hospitals. It is favored by many physicians for reception and consulting rooms.

Specifications

Parker blades of brass.
Emerson $\frac{1}{2}$ -inch hardened steel shaft and oil-tight dust-proof bearing.
Hinged desk-bracket base with felt covering.
Swivel adjusting collar below motor.
Range of oscillation adjustable to 90°.

Three speeds, switch in base.
Induction motor—no brushes or commutator.
Double-ring steel-welded guard.
Finish over all, "Duco" French Gray.
Every fan complete with separable plug and cord.
Large carrying handle.

Codeword—Data and List Price

Codeword	Size Fan Inches	No. Blades	Style	Type No.	Fast Speed	Medium Speed	Slow Speed	Net Lbs.	Packed Lbs.	List Price Each
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Fans for 110 Volts 60 Cycles

Sotir	12	6	Oscillating	71666F.G.	1050 rpm 70 watts	950 rpm 50 watts	850 rpm 45 watts	21	37	\$35.00
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Carried regularly in stock at St. Louis, New York and Chicago.

Will operate satisfactorily on 104-115 volts.

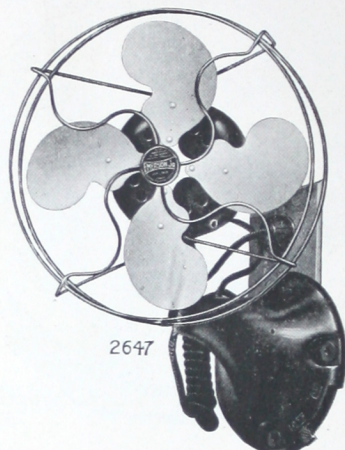
Speeds, wattages and weights are approximate.

All data subject to change.

Emerson Junior 9-inch Hotel Type

Non-oscillating

For Alternating Current Only



Emerson Junior Hotel Type is designed for use exclusively as a wall bracket fan, no provision being made for adjusting the fan to the upright position. The non-convertible feature of the base will be appreciated by hotel managers who have complained of loss of fans through theft. The motor is identical with Emerson Junior non-oscillator.

This type is ideal for use where it is desired to mount the fan on the wall. Its low first cost and the absence of maintenance expense recommend it for hotel rooms of moderate size.

Specifications

Parker blades, dull brass finish.

Emerson $\frac{1}{2}$ -inch hardened steel shaft and oil-tight dust-proof bearing.

Special swivel wall-bracket base with large base rubbers—fan can be turned from side to side and tilted up or tipped down.

Single speed, switch in base.

Induction motor—no brushes or commutator.

Double-ring steel-welded guard.

Finish of guard, motor and base, black enamel.

Every fan complete with separable plug and cord.

Codeword—Data and List Price

Codeword	Size Fan Inches	No. Blades	Style	Cycles	Volts	Speed and Wattage	Net Lbs.	Packed Lbs.	List Price Each
Subog	9	4	Swivel-hinged Non-oscillating	60	110	{ 1600 rpm 45 watts }	12	16	\$12.00

Emerson Junior Hotel Type supplied to special order only, in lots of 50 or more, F. O. B. St. Louis, Mo.

Samples will be sent on request.

Price does not include outlet box hanger.

Emerson Junior Hotel Type fan cannot be supplied in special finishes.

Speed, wattage and weight are approximate.

Emerson Junior Hotel Type fan cannot be supplied for other kinds of current.

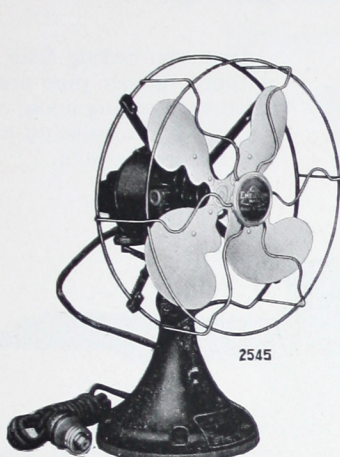
Emerson Junior Hotel Type fan listed for 110 Volts, 60 Cycles, will operate satisfactorily on 104-120 Volts, 60 Cycles and 104-115 Volts, 50 Cycles.

On 50 Cycles speed will be approximately 15% lower.

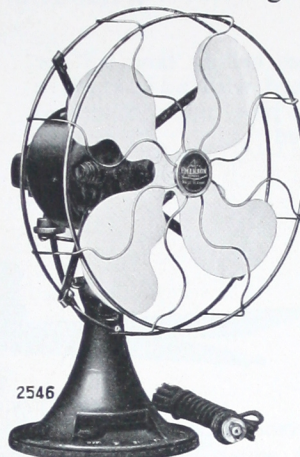
All data subject to change.

The Emerson Company Sells No Apparatus at Retail

Three-speed Direct Current Fans 9, 12 and 16-inch Oscillating and Non-oscillating



Type 29045



Type 29046

Emerson direct current fans have fully enclosed motors, but brushes and commutators are readily accessible. These fans have many of the important features of Emerson A. C. fans, and are especially quiet and convenient to adjust. All types are adjustable for wall mounting.

Specifications

Parker blades of brass, dull finish.
Hinged desk-bracket base with felt covering.
Swivel adjusting collar below motor, oscillating types only.
Range of oscillation adjustable to 90°.

Three speeds, ventilated resistance and switch in base. Double-ring steel-welded guard.
Finish over guard, motor and base, black enamel.
Every fan complete with separable plug and cord.
Large carrying handle on 12 and 16-inch types.

Codewords—Data and List Prices

Codeword	Volts	Size Fan Inches	No. Blades	Style	Type No.	Fast Speed	Medium Speed	Slow Speed	Net. Lbs.	Packed Lbs.	List Price Each
Ticed	110	9	4	Non-oscillating	28045	1800 rpm 33 watts	1350 rpm 23 watts	900 rpm 20 watts	9	19	\$16.80
Tilix	110	12	4	Non-oscillating	28046	1600 rpm 42 watts	1200 rpm 35 watts	800 rpm 28 watts	22	38	23.00
Telop	110	9	4	Oscillating	29045	1800 rpm 33 watts	1350 rpm 23 watts	1000 rpm 20 watts	10	21	23.00
Ticup	110	12	4	Oscillating	29046	1800 rpm 50 watts	1300 rpm 45 watts	900 rpm 35 watts	23	42	30.00
Tidoz	110	16	4	Oscillating	29048	1650 rpm 70 watts	1300 rpm 55 watts	900 rpm 45 watts	25	49	35.00
Tifib	32	12	4	Oscillating	29046	1800 rpm 55 watts	1300 rpm 45 watts	850 rpm 35 watts	23	42	30.00
Tilal	32	16	4	Oscillating	29048	1700 rpm 70 watts	1250 rpm 55 watts	900 rpm 45 watts	25	49	35.00
Tigid	220	12	4	Oscillating	29046	1750 rpm 55 watts	1300 rpm 45 watts	850 rpm 35 watts	24	42	31.50
Tiguz	220	16	4	Oscillating	29048	1750 rpm 90 watts	1300 rpm 70 watts	900 rpm 55 watts	25	49	36.50
Tikac	250	12	4	Oscillating	29046	1750 rpm 55 watts	1300 rpm 45 watts	850 rpm 35 watts	24	42	31.50
Tikez	250	16	4	Oscillating	29048	1750 rpm 90 watts	1300 rpm 70 watts	900 rpm 55 watts	25	49	36.50

Carried regularly in stock at St. Louis, New York and Chicago.

No fans made for voltages higher than 250 volts.

Speeds, wattages and weights are approximate.

Above fans can be furnished in quantities in special finishes to special order. Additions to above prices for special finishes are shown on page 19.

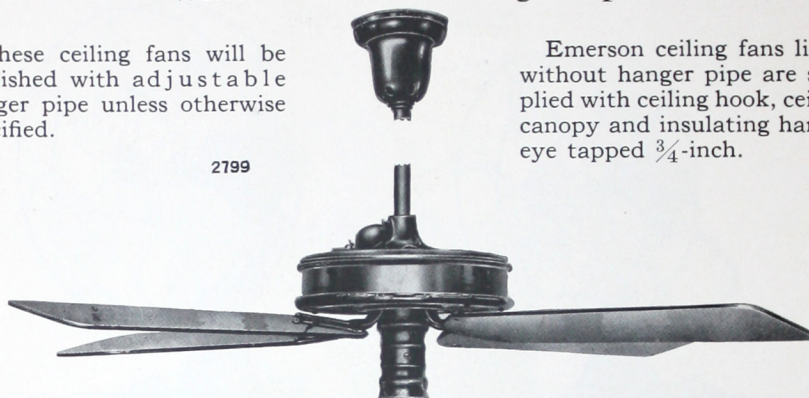
All data subject to change.

The Emerson Company Sells No Apparatus at Retail

4-blade, 56-inch Alternating Current Ceiling Fans With and Without Hanger Pipe

These ceiling fans will be furnished with adjustable hanger pipe unless otherwise specified.

2799



Emerson ceiling fans listed without hanger pipe are supplied with ceiling hook, ceiling canopy and insulating hanger eye tapped $\frac{3}{4}$ -inch.

Emerson ceiling fans offered today embody the important fundamental principles of design which made the Emerson the first commercially successful alternating current fan more than 25 years ago.

The type shown herewith is designed to move the maximum volume of air. It is most popular for general service. Special types of less breeze and lower wattage can be supplied in quantities for use where maximum breeze is not desired.

Specifications

Wired for lights at the factory.

Upper ends of light wires over terminal plate, lower ends inside of oil cup.

Oil cup drilled and tapped $\frac{1}{4}$ -inch for four fixture or switch arms.

Three speeds—switch in oil cup.

Complete without or with adjustable hanger pipe for 10 to 12½-foot ceilings, ceiling canopy, hanger eye and ceiling hook.

Finish over motor, hanger pipe and trimmings, dark mahogany lacquer.

Brown mahogany finish, hand-rubbed, seasoned wood blades.

Codewords—Data and List Prices

Codeword	Volts	Cycles	Size Fan Inches	No. Blades	Type No.	Fast Speed	Medium Speed	Slow Speed	Net (1 fan) Lbs.	Packed (2 fans) Lbs.	List Price Each
Fans Without Hanger Pipe											
Splux	110	60	56	4	45641	225 rpm	180 rpm	140 rpm	61	180	\$52.00
Suday	220	60	56	4	45641	160 watts	125 watts	100 watts	61	180	54.00
Sufac	110	25	56	4	50241	225 rpm	180 rpm	140 rpm	61	180	55.00
						130 watts	100 watts	95 watts			
Fans with No. 12 Adjustable Hanger Pipe											
Sidok	110	60	56	4	45641	225 rpm	180 rpm	140 rpm	66	190	\$54.00
Sosev	220	60	56	4	45641	160 watts	125 watts	100 watts	66	190	56.00
Sufop	110	25	56	4	50241	225 rpm	180 rpm	140 rpm	66	190	57.00
						130 watts	100 watts	95 watts			

Fans will be furnished with hanger pipe unless otherwise specified.

Carried regularly in stock at St. Louis, New York and Chicago.

Regularly packed two of one type and voltage, complete with blades, without hanger pipe or with No. 12 adjustable hanger pipe in one box. Broken packages and fans with special length hanger pipe shipped only from St. Louis, Mo. (See list on page 18 for special length hanger pipe).

An extra charge of \$2.00 list will be made for fans packed singly.

For electrolier and switch parts see page 18.

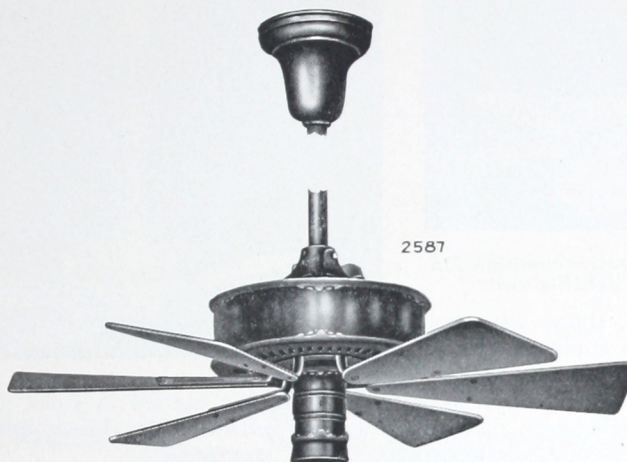
Hook regularly supplied for wood ceiling; hook with adapter to fit $\frac{3}{8}$ or $\frac{1}{2}$ -inch fixture studs furnished without extra charge.

Speeds, wattages and weights are approximate. All data subject to change.

Above fans can be furnished in quantities in special finishes to special order—additions to above prices for special finishes are shown on page 19.

The Emerson Company Sells No Apparatus at Retail

6-blade, 32-inch Alternating Current Ceiling Fans Without Hanger Pipe



This small sweep fan meets the requirements for all small rooms, halls, doorways, entries and above display counters. It operates at higher speeds than the wide-sweep fans, but is exceptionally quiet and well adapted for home use.

This type has proved especially popular for hotel and apartment guest rooms on account of its breeze power and economy of operation. It can be installed with lighting unit combined as other types are shown.

Specifications

Wired for lights at the factory.

Upper ends of light wires over terminal plate and lower ends inside of oil cup.

Oil cup drilled and tapped $\frac{1}{4}$ -inch for four fixture or switch arms.

Three speeds—switch in oil cup.

Complete with ceiling canopy, hanger eye and ceiling hook. No hanger pipe supplied.

Finish over motor and trimmings, dark mahogany lacquer.

Brown mahogany finish, hand-rubbed, seasoned wood blades.

Codeword—Data and List Price

Codeword	Size Fan Inches	No. Blades	Type No.	Fast Speed	Medium Speed	Slow Speed	Net Lbs.	Packed Lbs.	List Price Each
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Fans for 110 Volts 60 Cycles

Sosug	32	6	35661	335 rpm 100 watts	260 rpm 65 watts	200 rpm 50 watts	50	75	\$43.00
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Carried regularly in stock at St. Louis, New York and Chicago.

Packed one in a box, with blades, flanges, etc.

Can be supplied to special order for 220 Volts, 60 Cycles, at an additional charge of \$1.50 list, shipment F. O. B. St. Louis, Mo., only.

For electroliner and switch parts see page 18.

Hook regularly supplied for wood ceiling; hook with adapter to fit $\frac{3}{8}$ or $\frac{1}{2}$ -inch fixture studs furnished without extra charge.

Speeds, wattages and weights are approximate. All data subject to change.

Can be furnished in quantities in special finishes to special order—additions to above prices for special finishes are shown on page 19.

4-blade, 48-inch Alternating Current Ceiling Fans French Gray Finish



Showing an effective combination of fan and lighting unit.

This type, shown with both hanger pipe and chain suspension, was designed especially for residences, private offices, consulting rooms, etc., and is carried in stock in French gray finish to harmonize with modern decorative schemes. It throws a moderate well-distributed breeze and has exceptionally good regulation.

The results secured by this type cannot be duplicated by any other.



Specifications

Wired for lights at the factory.

Upper ends of light wires over terminal plate, lower ends inside of oil cup.

Oil cup drilled and tapped $\frac{1}{4}$ -inch for four fixture or switch arms.

Three speeds—switch in oil cup.

Complete with No. 12 adjustable hanger pipe for 10½ to 12-foot ceilings, ceiling canopy, hanger eye and ceiling hook, or 3-point chain suspension, 2 feet in length, ceilings screw and plate with chain hooks.

Finish of motor, hanger parts, trimmings and blades, "Duco" French Gray.

Codewords—Data and List Prices

Codeword	Size Fan Inches	No. Blades	Type No.	Fast Speed	Medium Speed	Slow Speed	Hanger No.	Net (1 fan) Lbs.	Packed (2 fans) Lbs.	List Price Each
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Fans for 110 Volts 60 Cycles, with No. 12 Adjustable Hanger Pipe

Sovag	48	4	⊕47641 Fr. Gray	{ 225 rpm 95 watts }	{ 180 rpm 60 watts }	{ 150 rpm 50 watts }	12	65	195	\$54.00
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Fans for 110 Volts 60 Cycles, with Chain Suspension

Sucad	48	4	⊕47641 Fr. Gray	{ 225 rpm 95 watts }	{ 180 rpm 60 watts }	{ 150 rpm 50 watts }	†Chain hanger	65	195	\$54.00
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⊕Type 47641 with hanger pipe will be furnished unless otherwise specified.

†Ceiling fans are not recommended for use with chain over 5 feet long.

Carried regularly in stock at St. Louis and New York.

Regularly packed two of one type and voltage with blades and No. 12 adjustable hanger pipes or chains in one box.

Broken packages and fans with special length hanger pipes or chains shipped only from St. Louis, Mo. (See list on page 18 for special length hanger pipes).

An extra charge of \$2.00 list will be made for fans packed singly.

Can be supplied for 220 Volts, 60 Cycles, at an additional charge of \$2.00 list. Shipment F. O. B. St. Louis, Mo., only.

For electrolier and switch parts see page 18.

Fitter and glassware shown are not included in the list price.

Hook regularly supplied for wood ceilings; hook with adapter to fit $\frac{3}{8}$ or $\frac{1}{2}$ -inch fixture studs furnished without extra charge.

Speeds, wattages and weights are approximate. All data subject to change.

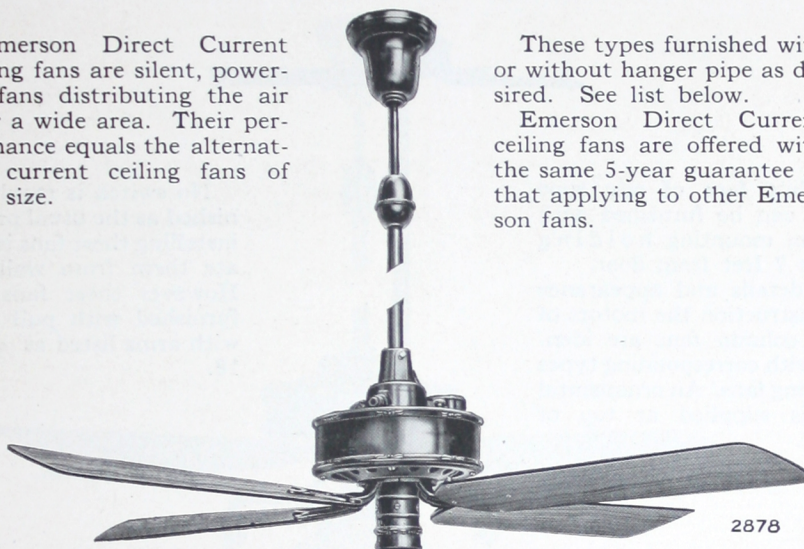
Above fans can be furnished in other finishes to special order—additions to above prices for special finishes are shown on page 19.

4-blade, 56-inch Direct Current Ceiling Fans With and Without Hanger Pipe

Emerson Direct Current ceiling fans are silent, powerful fans distributing the air over a wide area. Their performance equals the alternating current fans of this size.

These types furnished with or without hanger pipe as desired. See list below.

Emerson Direct Current ceiling fans are offered with the same 5-year guarantee as that applying to other Emerson fans.



Specifications

Type 45041 (wired for lights) for 110 and 220 Volts. Wired for lights at the factory.

Type 46041 (without light wires) for 32 Volts. Upper ends of light wires over terminal plate, lower ends inside of oil cup.

Oil cup drilled and tapped $\frac{1}{4}$ -inch for four fixture or switch arms.

Three speeds—switch in oil cup.

Complete without or with adjustable hanger pipe for 10 to 12 $\frac{1}{2}$ -foot ceilings, ceiling canopy, hanger eye and ceiling hook.

Finish over motor, hanger pipe and trimmings, dark mahogany lacquer.

Brown mahogany finish, hand-rubbed, seasoned wood blades.

Codewords—Data and List Prices

Codeword	Volts	Size Fan Inches	No. Blades	Type No.	Fast Speed	Medium Speed	Slow Speed	Net (1 fan) Lbs.	Packed (2 fans) Lbs.	List Price Each
----------	-------	-----------------	------------	----------	------------	--------------	------------	------------------	----------------------	-----------------

Fans Without Hanger Pipe

Tipop	110	56	4	45041	230 rpm	185 rpm	140 rpm	59	170	\$52.00
Tiran	32	56	4	46041	105 watts	80 watts	55 watts	59	170	52.00
Tisam	220	56	4	45041				59	170	54.00

Fans with No. 12 Adjustable Hanger Pipe

Tenot	110	56	4	45041	230 rpm	185 rpm	140 rpm	64	180	\$54.00
Tepaz	32	56	4	46041	105 watts	80 watts	55 watts	64	180	54.00
Tikon	220	56	4	45041				64	180	56.00

Fans will be furnished with hanger pipe unless otherwise specified.

Carried regularly in stock at St. Louis, New York and Chicago.

Regularly packed two of one type and voltage, complete with blades, without hanger or with No. 12 adjustable hanger pipe in one box. Broken packages and fans with special length hanger pipe shipped only from St. Louis, Mo. (See list on page 18 for special length hanger pipe)

An extra charge of \$2.00 list will be made for fans packed singly.

For electrolier and switch parts see page 18.

Hook regularly supplied for wood ceiling; hook with adapter to fit $\frac{3}{8}$ or $\frac{1}{2}$ -inch fixture studs furnished without extra charge.

Speeds, wattages and weights are approximate. All data subject to change.

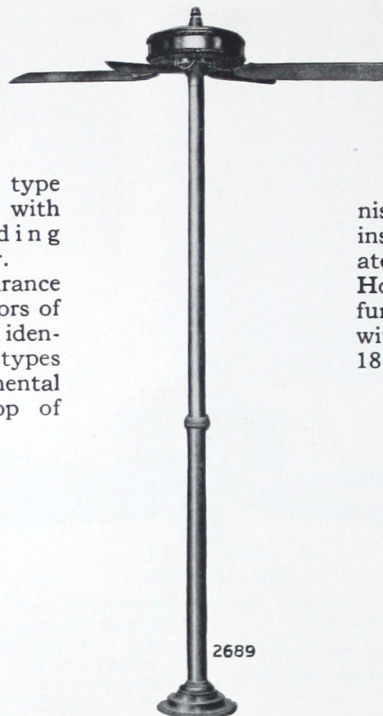
Above fans can be furnished in quantities in special finishes to special order—additions to above prices for special finishes are shown on page 19.

Emerson Column Fans

For Alternating Current and Direct Current

Ceiling fans of any type listed can be furnished with column mounting holding blades 7 feet from floor.

In details and appearance of construction the motors of these column fans are identical with corresponding types of ceiling fans. An ornamental ball is supplied at top of motor.



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No switch is regularly furnished as the usual practice in installing these fans is to operate them from wall switch. However these fans can be furnished with pull switches with arms listed as on page 18.

Specifications

Wired for lights at the factory, except 32-volt type.

Upper ends of light wires over terminal plate; lower ends inside of oil cup.

Oil cup drilled and tapped $\frac{1}{4}$ -inch for four fixture or switch arms.

No switch.

Complete with floor flange, insulating coupling between motor and column; ornamental ball at top of motor.

Finish over motor body, trimmings and upper part of column same as corresponding types of ceiling fans. Lower part of column and floor flanges finished in black enamel.

Codewords—Data and List Prices

Codeword	Size Fan Inches	No. Blades	Volts	Current	Type No.	List Price Each
Splab	32	6	110	60 Cy.	35663	\$63.00
Spron	48	4	110	60 Cy.	47643	74.00
Straz	56	4	110	60 Cy.	45643	74.00
Strid	56	4	220	60 Cy.	45643	76.00
Sufex	56	4	110	25 Cy.	50243	77.00
Tinag	56	4	110	D. C.	45043	74.00
Tipak	56	4	32	D. C.	46043	74.00
Tiran	56	4	220	D. C.	45043	76.00

Column fans are not carried regularly in stock and must be made to special order.

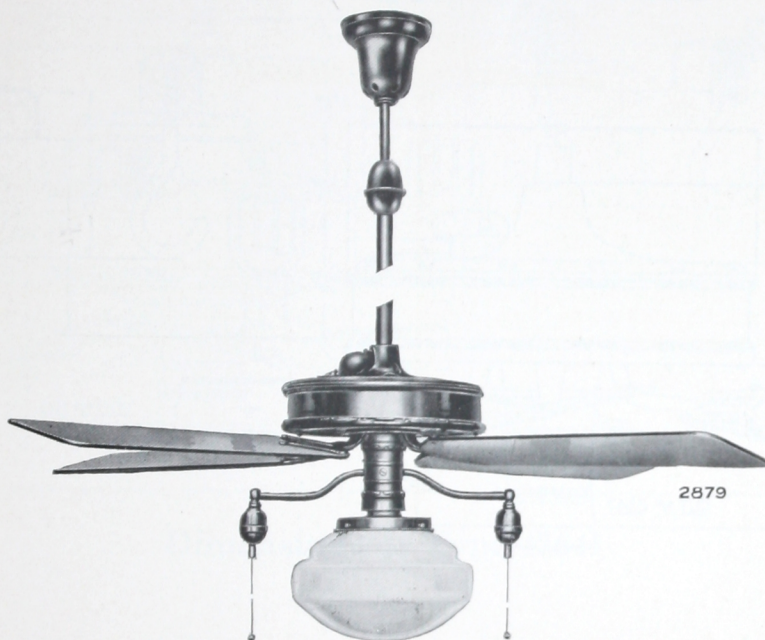
Regularly packed "knocked-down" and in two boxes; fan in one box, approximate weight 125 lbs.; column in another box, approximate weight 85 lbs.

Shipment of column fans from St. Louis only. For electrolier and switch parts see page 18.

All data subject to change.

Above fans can be furnished in special finishes to special order—additions to above price for special finishes are shown on page 19.

Lighting Units in Combination with Emerson Ceiling Fans



The combination of ceiling fans with unit type glassware or other forms of lighting equipment affords many opportunities for economies and for efficient lighting. Hundreds of office buildings, municipal buildings and hotels have realized the advantage of the combined ceiling fan and fixture with considerable savings.

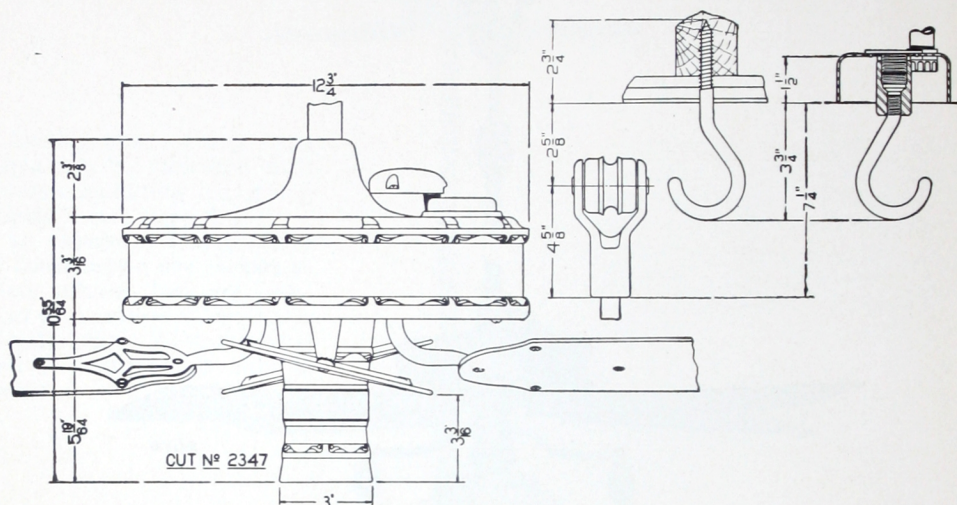
Emerson ceiling fans of all types may be fitted with unit type glassware by the use of a fitter or adapter which is furnished to be attached in the position normally occupied by the fan switch. These adapters are provided for glassware with either a 4-inch or 6-inch opening and are furnished with a standard porcelain receptacle, so mounted as to permit adjusting the lamp vertically to meet the requirements of units of varying shapes and depths.

Where wall switch control for fan or light, or both, is not available, switch arms and pull switches can be supplied, as illustrated on the fan above, such parts and fitters being finished to match the fan.

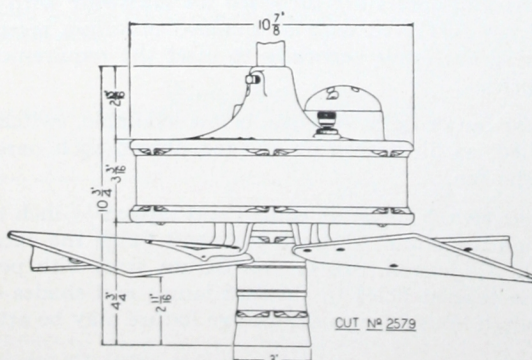
All Emerson ceiling fans have switch housings drilled and tapped $\frac{1}{4}$ -inch thread and are wired with an extra lighting circuit through the shaft (with the exception of Type 46041 fan for 32 volts). If desired, two or four-fixture arms with pendant sockets may be inserted in these tapped holes to suspend lamps and shades of the conventional type around the switch housing, or a decorative fixture may be attached below the housing.

List prices and part numbers of fitters, switch arms, switches and electrolier arms will be found on page 18 of this catalogue. These parts cannot be shipped attached to fan.

Dimensions of Types 45641 and 50241

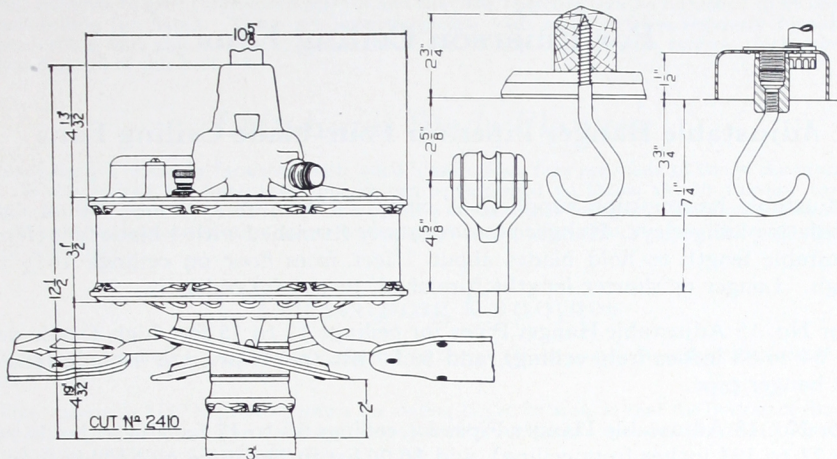


Dimensions of Type 35661

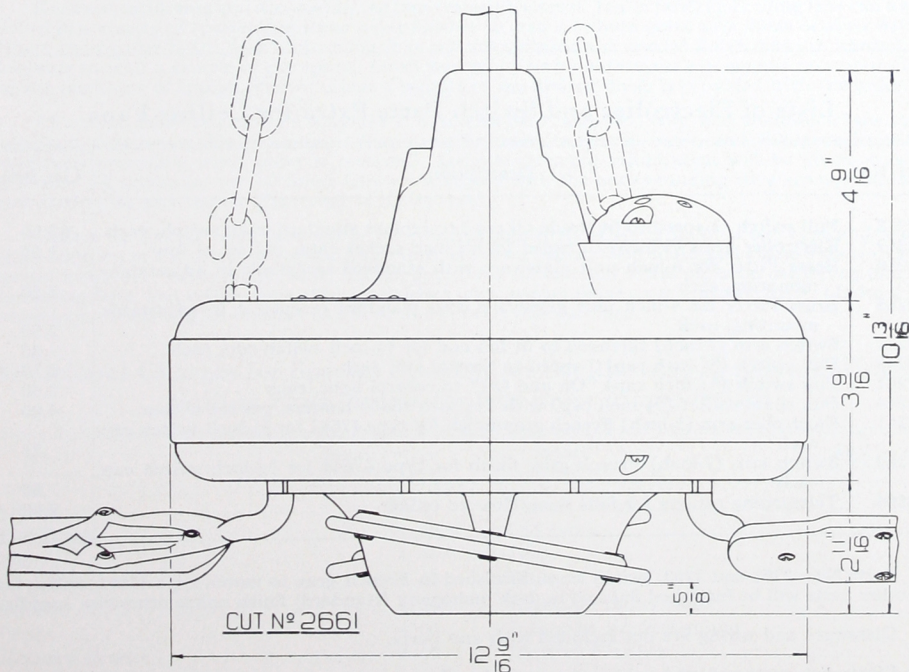


Hanger eye and ceiling hook dimensions for Type 35661 are the same as for Type 45641.

Dimensions of Types 45041 and 46041



Dimensions of Type 47641



Hangar eye and ceiling hook dimensions for Type 47641 are the same as for Type 45641.

Special Hanger Pipes, Electrolier and Switch Parts For Emerson Ceiling Fans

Adjustable Hanger Pipes for Four-blade Ceiling Fans

Adjustable hanger pipe supplied; is complete with pipe, hook, ceiling canopy and insulating hanger eye. Hanger pipes regularly furnished with 4-blade fans (No. 12), is of suitable length to hold blades about 7 feet from floor on ceilings $10\frac{1}{2}$ to 12 feet high. Longer or shorter lengths furnished, to special order.

For No. 15 Adjustable Hanger Pipes for ceilings 12 to 15 feet high (holds switch handle 54 to 88 inches from ceiling), add \$3.00 list to list price of 4-blade fans with No. 12 hanger pipe.

For No. 18 Adjustable Hanger Pipes for ceilings 13 to 17 feet high (holds switch handle 72 to 124 inches from ceiling), add \$6.00 list to list price of 4-blade fans with No. 12 hanger pipe.

Hanger pipe furnished is finished to match ceiling fans.

Special hanger pipes (not adjustable) supplied to special order in lengths 1 to 12 feet. Prices on request.

Lists of Electrolier and Switch Parts Extra for Ceiling Fans

Part No.	Description	List Price
2213	Pull switch (3-speed to fit inside oil cup) to replace standard snap switch, each	\$2.50
2242	Electrolier arms (5-inch) threaded for $\frac{3}{8}$ -inch socket caps, per set of four	3.00
2238	Brass Fitter for 6-inch unit glassware with standard receptacle in adjustable mounting, each	2.50
2265	Brass Fitter for 4-inch unit glassware with standard receptacle in adjustable mounting, each	2.50
2239	Switch arm (7-inch) threaded to fit fan and for $\frac{3}{8}$ -inch switch cap, each	.80
2240	Pull switch ($\frac{3}{8}$ -inch cap) 3-speed to control fan, each	2.50
2241	Pull switch ($\frac{3}{8}$ -inch cap) "On and Off" to control light, each	2.50
2244	Pull chain socket ($\frac{3}{8}$ -inch cap) with $2\frac{1}{4}$ -inch shade holders, per set of four	4.00
2261	Electrolier arm (5-inch) French gray finish for type 47641 for $\frac{3}{8}$ -inch switch cap, each	.75
2262	Switch arm (7-inch) French gray finish for type 47641 for $\frac{3}{8}$ -inch switch cap, each	.80
2266	Telescoping canopy for fans hung close to ceiling	2.00

Parts Nos. 2261 and 2262, switch arms, furnished in French gray to match type 47641 ceiling fan. All other parts will be furnished finished in dark mahogany (standard) finish unless otherwise specified.

Glassware and wiring are not included with any parts.

Electrolier parts cannot be shipped attached to fan motors.

Three-speed Pull Switches

Pull switches to give three-speed control and the "Off" position can be furnished to fit any type of Emerson ceiling fan listed. These are interchangeable with snap switches regularly furnished with Emerson ceiling fans and may be attached inside the oil cup by the same screws. List price will be found on page 18 of this bulletin.

Left-hand Blade Flanges

Blade flanges regularly furnished with wood-blade ceiling fans are made to throw the breeze downward. Where desired, left-hand blade flanges can be furnished to throw the air upward toward the ceiling, creating a general circulation of air without a direct breeze being felt. This arrangement is sometimes desirable in banks and other places where papers are handled near the fan. No extra charge when ordered with fans.

Telescoping Canopies

Telescoping canopies to hang ceiling fans close to the ceiling can be furnished in place of standard canopy.

This canopy is $5\frac{1}{4}$ " high and permits the ceiling fan to be hung so that the bottom of the oil cup is within 18" of the ceiling. The standard $\frac{3}{4}$ -inch insulating hanger eye and short $\frac{3}{4}$ " nipple should be used when making such installations.

This canopy telescopes so that the upper part drops down on the motor body, allowing sufficient room for connections to be made. See page 18 for list price.

Special Finishes

Emerson oscillating and non-oscillating fans (except Emerson Junior fans) and ceiling fans can be furnished in a variety of special lacquer or paint finishes to match or harmonize with finish of other fixtures. Where the regular finish desk and ceiling fans are not suitable and special finish fans are wanted, it is desirable to send a sample of the special finish wanted. The manufacturer can assume no responsibility for the matching of special finishes unless a sample of the desired finish is provided with the order.

All special finish fans will be delivered f. o. b. cars St. Louis, Mo., only, and while such fans can be furnished with reasonable promptness they must be made to special order, and shipment depends on conditions prevailing when order is received. Definite shipping information will be given on receipt of order. All orders for special finish fans are accepted with the understanding they are not subject to cancellation for any reason after work is commenced.

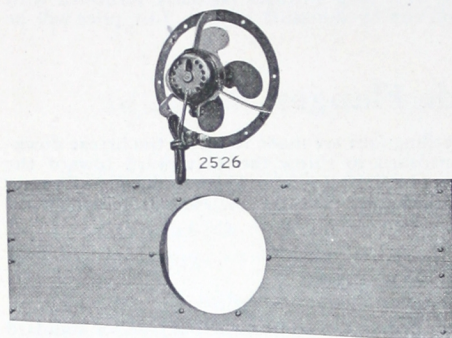
Orders for special finish fans will be accepted in quantities of six or more of one type and winding at an addition to list prices of regular finish fans as shown below. The additional charges shown include special finish over motor-body, base, blades, guard and all external metal parts on oscillating and non-oscillating fans, and ceiling fans will be furnished with special finish over motor, hanger, blades and all trimmings. Fans will be finished as above unless otherwise specified.

Additional Charges for Special Finishes on Oscillating, Non-oscillating and Ceiling Fans (orders for 6 or more in one finish)

Special Finishes	Addition to List for Special Finish	Special Finishes	Addition to List for Special Finish
Aluminum	\$4.00	French Gray	\$6.00
Mat Brass	4.00	Old Ivory	6.00
Blue	4.00	Ivory	6.00
Olive Green	4.00	White	6.00
Brown	4.00	Imitation Bauer-Barff	6.00
Putty	4.00	Imitation Verde Antique	6.00
Statuary Bronze	4.00	Mottled Finishes	6.00

Emerson Ventilating Equipment

Fans and Mounting Accessories



Emerson Junior Ventilator

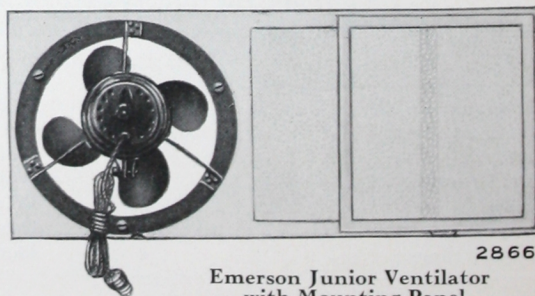
the building equipment, realizing the enhanced attractiveness or salability resulting from its installation. The home kitchen ventilator recommends itself from the standpoint of economy as well as that of comfort and health, proving a big factor in prolonging the life of interior decorations by removing kitchen smoke and grease-laden air.

The Emerson Company offers three sizes of ventilating fan motors which are relatively inexpensive, in addition to a line of powerful exhaust fans from 12 to 36 inches in diameter. The 9 and 12-inch ventilating fan motors, offered for alternating current only, are especially well-adapted for use in home kitchens, and a variety of mounting boards and panels can be furnished, as illustrated, for their installation in kitchen windows. In addition, this company can supply both 9 and 12-inch ventilating fans complete with adjustable wall boxes with automatic shutters for permanent installations as shown on page 22. Prices appear on page 23.

The view above shows Emerson Junior 9-inch ventilating fan with wooden mounting board, by means of which it can be readily installed in any kitchen window. When so installed, the upper sash is dropped when the fan is in use and raised to keep out cold or rain when the fan is not running.

The mounting board illustrated is 42 inches long, 13 inches wide, of five-ply veneer in natural finish, shellaced and varnished. The hole for the fan is cut to exact size. All bolt and screw holes are drilled and all necessary bolts, washers, nuts and screws for mounting the fan are supplied with the board.

If the slight obstruction of light offered by the mounting board is objectionable, the metal panel with pebbled glass inserts, illustrated herewith, can be supplied, obstructing practically no light. This panel for Emerson Junior ventilator is adjustable for windows from 26 to 38 inches in width. The metal portions are finished in light gray. Two metal templates are furnished to be attached to the window frame;

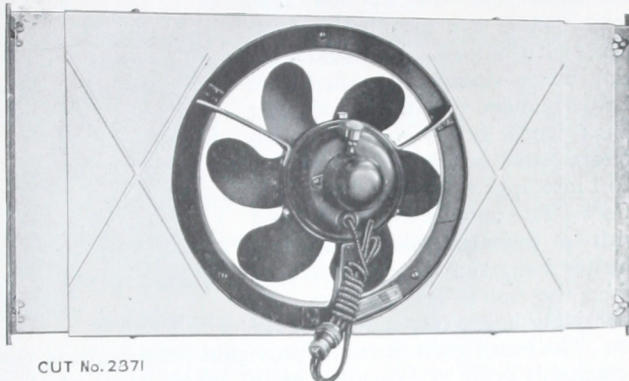


Emerson Junior Ventilator
with Mounting Panel

the panel may then be adjusted to the proper length and attached by screws provided. The glass portion is so designed that the righthand pane may be readily withdrawn to permit cleaning the overlapping portions of the panes.

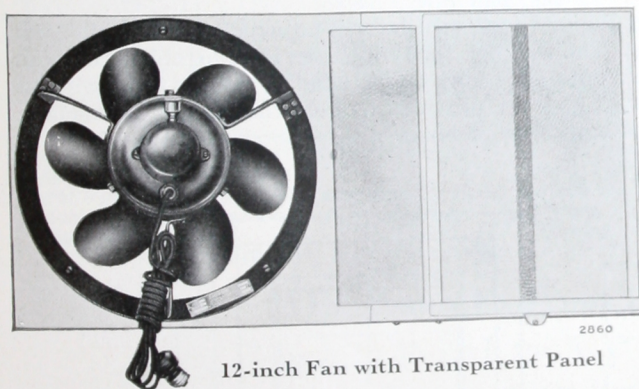
The Emerson 12-inch ventilating fan motor, Type 57666, can also be supplied with the adjustable metal mounting panels, with or without pebbled glass inserts, as illustrated herewith. These panels are also furnished with templates for convenience in mounting on a window frame.

The all-metal panel illustrated is offered in three sizes suitable for windows from 22 to 46 inches in



CUT No. 2371

12-inch Fan with All-metal Panel



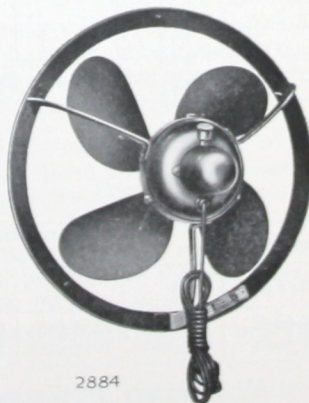
12-inch Fan with Transparent Panel

width. The medium size panel, regularly furnished, is adjustable from 26 to 36 inches in length and will be found to fit the large majority of windows in which such installations are made. If longer or shorter panels are wanted, order should so specify. All panels are 16 inches in height.

The mounting panel with pebbled glass inserts

for the 12-inch ventilating fan is offered in two sizes; the medium size is adjustable for windows from 27 to 37 inches in width, and will be found to fit a large majority of kitchen windows. A long panel, with glass inserts, adjustable from 36 to 46 inches, can be supplied when ordered but no short panel for windows less than 27-inches wide. The metal portions of all panels are of pressed steel, finished in light gray.

Emerson 16-inch ventilators are more powerful fans than are customarily required for home installations and are offered complete with supporting ring but without mounting panels, boards or wall boxes. These fans are offered for direct as well as alternating current, and have a wide field of usefulness.

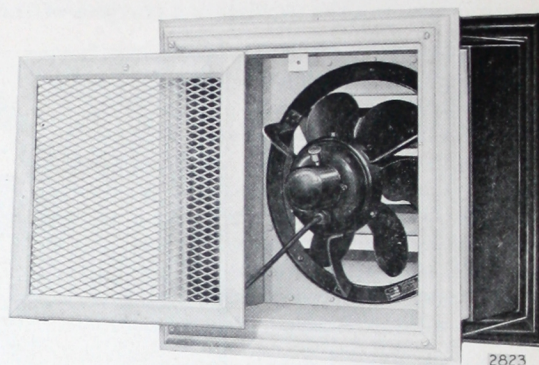


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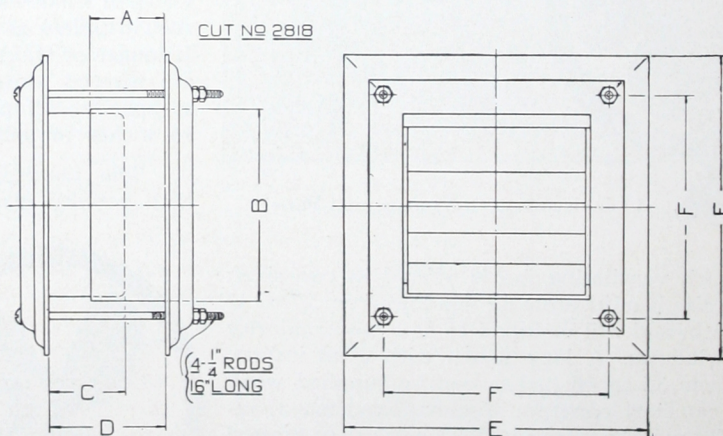
16-inch A. C. Ventilator

9-inch and 12-inch Fans with Wall Boxes

Both Emerson Junior 9-inch ventilator and the 12-inch size, Type 57666, are also listed complete with adjustable telescoping wall boxes designed to facilitate the permanent installation of these fans. These boxes consist of two square steel shells with suitable steel moldings to present a finished effect. The outer shell is equipped with a patented aluminum leaf shutter which remains tightly closed when the fan is not running and effectively keeps out rain and cold air. The inner shell contains provision for mounting the fan and is equipped with a detachable grille of expanded metal, which gives access to the fan. Each side of the shell is provided with a knockout to permit electric connection to be readily made through flexible metallic conduit.



The wall box for Emerson Junior 9-inch ventilator is adjustable to fit walls from $6\frac{1}{2}$ to $13\frac{1}{2}$ inches in thickness. The wall box for 12-inch fan is adjustable to fit walls from $9\frac{1}{2}$ to $13\frac{1}{2}$ inches thick. Both sizes may be installed in thicker walls without telescoping. Four $\frac{1}{4}$ -inch slotted rods are provided to hold the two shells together, when necessary. Dimensions of both sizes of boxes will be noted below.



Dimensions and Weights—Wall Boxes

Size Fan	A	B	C	D	E	F	Approximate Weight Packed
9-inch	$7\frac{1}{4}$ -inch	$12\frac{7}{8}$ -inch	$6\frac{1}{4}$ -inch	$6\frac{1}{2}$ -inch minimum	$17\frac{1}{4}$ -inch	14 -inch	36 lbs.
12-inch	$6\frac{1}{2}$ -inch	$16\frac{3}{8}$ -inch	$8\frac{7}{8}$ -inch	$9\frac{1}{2}$ -inch minimum	$20\frac{3}{4}$ -inch	$17\frac{1}{2}$ -inch	45 lbs.

All Emerson ventilating fan motors are guaranteed free from electrical and mechanical defect. This company will replace or repair at its option any fan motors proving defective within one year from the date it was shipped by this company.

Emerson Ventilating Fan Motors

Specifications, Codewords, Data and List Prices

Parker fan blades, 9-inch, dull brass finish, 12 and 16-inch, black enamel.

All types furnished with supporting ring, separable plug and cord.

Mounted in rigid pressed steel supporting ring.

No switch or speed regulator regularly furnished. Mounting board and panels are drilled with all necessary holes for mounting and are furnished complete with bolts, washers, nuts and screws. See latest bulletin describing Emerson ventilating fan motors in detail.

Codeword	Size Fan Inches	Cycles	Volts	Type No.	Description	Approx. cu. ft. air per min.	Speed R.P.M.	Watts	Approx. Weight		List Price Each
									Net	Pkd.	
Sopav	9	60	110	Emerson Junior	With Ring Only	500	1600	45	10	16	\$14.00
Jezak	9	60	110	Emerson Junior	With Mounting Boards	500	1600	45	17	26	17.00
Jezev	9	60	110	Emerson Junior	With Panel with Glass	500	1600	45	20	36	27.50
Juvem	9	60	110	Emerson Junior	With Wall Box	500	1600	45	30	53	35.00
Supeg	12	60	110	57666	With Ring Only	900	1050	70	18	35	25.00
Jezor	12	60	110	57666	With All Metal Panel	900	1050	70	27	45	29.00
Jezug	12	60	110	57666	With Panel with Glass	900	1050	70	29	47	43.00
Jibix	12	60	110	57666	With Wall Box	900	1050	70	56	81	55.00
Supid	16	60	110	57648	With Ring Only	1250	1600	100	23	46	29.00
Soviz	16	25	110	56248	With Ring Only	1250	1350	100	16	48	30.50
Tibev	16	D. C.	110	56048	With Ring Only	1250	1650	100	16	48	29.00
Tibox	16	D. C.	32	56048	With Ring Only	1250	1650	100	16	48	29.00
Ticaw	16	D. C.	220	56048	With Ring Only	1250	1650	100	16	48	30.50

Regularly carried in stock at St. Louis, New York and Chicago.

Speed regulator for Type 57666 ventilator, \$5.00.

Speed regulator for Type 57648 or 56248 ventilator, \$5.00.

Speed regulator for Type 56048 ventilator, \$5.00.

Mounting boards, panels or wall boxes packed separately.

Medium length panels supplied unless otherwise ordered.

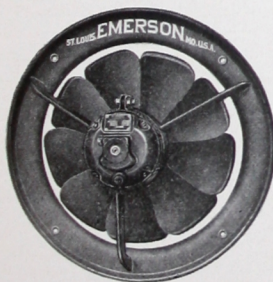
Price includes supporting ring, separable plug and cord, attached to motor.

Fans listed for 110 Volts are satisfactory for 104-115 Volts.

Speeds, wattages and weights are approximate. All data subject to change.

Emerson Exhaust Fans

12-inch to 36-inch for A. C. and D. C.



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Emerson exhaust fans can be furnished in 12-inch to 36-inch sizes for direct current, 12-inch to 30-inch sizes for single phase alternating current, and 18-inch to 36-inch sizes for two and three phase circuits. A bulletin containing full data and dimensions will be sent on request.

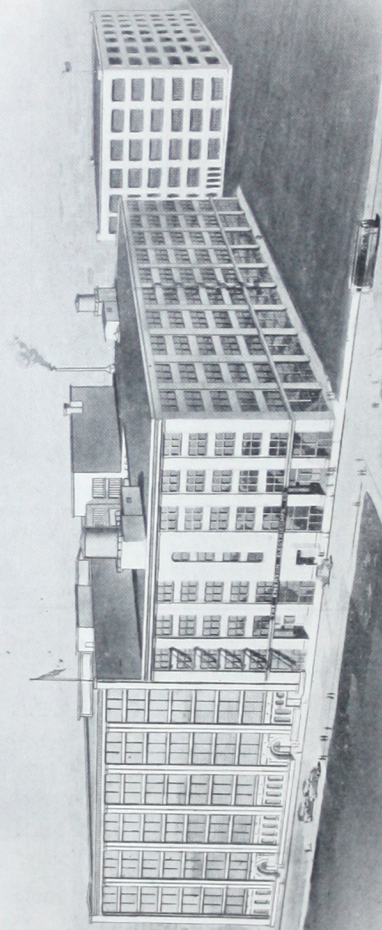
These exhaust fans have fully enclosed motors of designs which have been developed with a particular view to meeting the severe requirements of exhaust fan service. Their satisfactory operation under such conditions has been clearly demonstrated. Their capacities range from approximately 1,000 cubic feet of air per minute for the 12-inch size to approximately 10,000 cubic feet of air per minute for the 36-inch fan.

Automatic aluminum leaf shutters in rigid angle iron frames can be furnished for all sizes of exhaust fans.

Emerson exhaust fans are guaranteed free from electrical and mechanical defects for one year from the date of shipment by this company.

The Emerson Company Sells No Apparatus at Retail

Where Emerson Fans and Motors are made



Factories of
The Emerson Electric Mfg. Company
St. Louis, Mo.,

Branches:

806 W. Washington Blvd.,
Chicago, Ill.

50 Church Street,
New York City.



